

Exhibit 300: Capital Asset Summary

Part I: Summary Information And Justification (All Capital Assets)

Section A: Overview & Summary Information

Date Investment First Submitted: 2009-06-30
Date of Last Change to Activities: 2012-04-26
Investment Auto Submission Date: 2012-02-28
Date of Last Investment Detail Update: 2012-06-29
Date of Last Exhibit 300A Update: 2012-06-29
Date of Last Revision: 2012-06-29

Agency: 006 - Department of Commerce **Bureau:** 48 - National Oceanic and Atmospheric Administration

Investment Part Code: 01

Investment Category: 00 - Agency Investments

1. Name of this Investment: NOAA/NWS/ Weather Radio Improvement Project (WRIP-2)

2. Unique Investment Identifier (Ull): 006-000312400

Section B: Investment Detail

- 1. Provide a brief summary of the investment, including a brief description of the related benefit to the mission delivery and management support areas, and the primary beneficiary(ies) of the investment. Include an explanation of any dependencies between this investment and other investments.**

This program is rebaselined and replaces WRIP. WRIP-2 replaces the obsolete Console Replacement System (CRS) of NOAA Weather Radio (NWR) and sustains the NWR mission. WRIP-2 focus is on replacing the obsolete NWR Console Replacement System (CRS) by 2015. The CRS units in the field must be replaced, starting in 2015, to prevent NWR failures. WRIP-2 also replaces the NOAA Weather Wire Services provided by the contractor with Government solution that leverages existing NWS infrastructure. Technology advancements and contract issues provided NWS an opportunity to transition WRIP functions to the existing NWS infrastructure as an integrated solution. A Business Case Analysis was completed in April 2012 and the recommended alternative was to close out the current WRIP contract; Develop and deploy core NWR and NWS capabilities in AWIPS-II; and Develop and deploy services for the NWS-satellite user terminals for State Emergency Management Agencies, NLETS interface, and an Open Interface. With concurrence of the DOC CIO and CFO (memo of Feb 28, 2012) for a change in program direction, this alternative and its proposed path forward has been approved by the AA for Weather Services and briefed to the Deputy Administrator NOAA and to the NOAA Program Oversight Board. CITRB was briefed at TechStat on June 22, 2012. The transmitters are not part of WRIP-2. NWR depends upon AWIPS-II in the AWIPS IT Investment; the transmitters and communications between the NWS Forecast Office and each transmitter in the NDS IT Investment; and WRIP-2 (to replace

the CRS). NWWS depends on WRIP-2 solutions in AWIPS-II, Telecommunication Operations Center (TOC), NOAA Information Dissemination Systems (NIDS), AWIPS-II, and the Satellite Broadcast Network (SBN); the ground terminals; and inputs from DHS/FEMA. NWS Dissemination System UPI is 006-48-01-12-01-3120-00. AWIPS UPI is 006-48-01-12-01-3101-00.

2. How does this investment close in part or in whole any identified performance gap in support of the mission delivery and management support areas? Include an assessment of the program impact if this investment isn't fully funded.

The NOAA National Weather Service (NWS) has a critical mission to provide weather watches and warnings, all hazards and other emergency messages to the public and emergency managers through the NOAA Weather Radio (NWR), NOAA Weather Wire Service (NWWS), and other dissemination systems. The Weather Radio Improvement Project (WRIP) was initiated in October 2004 to evaluate, update and modernize certain aspects of NWR and to consolidate the NWR and NWWS system infrastructure into a coherent, flexible, and cost effective integrated infrastructure. The objectives of WRIP-2 are to: 1) Replace the obsolete CRS; 2) reduce operating costs of NWWS by using the existing AWIPS Satellite Broadcast Network and integrating the NWWS Nlets interface in the Telecommunication Operations Center (TOC) and the NWWS Open Interface in NOAA Information Dissemination Systems. The AWIPS SBN, TOC, and NIDS are existing infrastructure. The NWR CRS is past expected end of life and ongoing support is at high risk due to parts nonavailability. A failed CRS would cause the system to revert to a manual mode, delaying emergency broadcasts from seconds to minutes. The NWR CRS has exceeded end of life. CRS was developed in the late 1990s and the last major technology upgrade was done in the 2002 timeframe. The technology used in CRS is obsolete and it is becoming harder and harder to find repair and replacement parts for continued depot support. NOAA National Reconditioning Center is repairing LRUs on site using substitute parts when available. NRC provided an analysis and action plan on June 1, 2012 that provided information on the lowest replaceable units: --VIP Processor Workstations can currently only be supported through 2015. --FEP Processor Workstations can only be supported through mid-2016. --CRS LAN Port Server can only be supported through mid-2016. Unavailability of the ROAMS modem because of the Port Server failure would negate alarm reporting and make remote monitoring and control of the NWR transmitters difficult or impossible. --NWRSAME Encoders can only be supported through mid-2016.

3. Provide a list of this investment's accomplishments in the prior year (PY), including projects or useful components/project segments completed, new functionality added, or operational efficiency achieved.

PY was WRIP. CY WRIP (October 2011 through March 2012) IT equipment. NWS conducted inventory of property at CPE and at NWS locations and plans to repurpose to incur cost savings in the WRIP-2 effort WRIP design documentation. WRIP design documents will be useful for WRIP-2 engineering tradeoffs and analysis to compare against alternatives with modern technology WRIP network loading analysis will be useful during WRIP-2 design phase WRIP design included use of the AWIPS SBN and as result of work done by NWS during WRIP Phase II the NWS is able to test the new ground terminal equipment procured on the ground terminal contract CY WRIP-2 (April 2012 through June 2012) Initiated redefined program. Rebaselined as WRIP-2. Completed Risk Matrix Completed Operational

requirements, Concept of Operations, and Functional Requirements Document Operations and Services Improvement Process (OSIP) voted Conditional Approval at Combined Gate 1&2.

4. Provide a list of planned accomplishments for current year (CY) and budget year (BY).

Closing out WRIP Contract (with CommPower Engineering/Harris) by September 30, 2012. Complete System Requirements Specification (SyRS) Complete System Requirements Review Complete high-level design BY2013 Conduct Preliminary Design Review (PDR) Complete detailed design Conduct Critical Design Review (CDR) Complete development of NWWS to AWIPS Complete development of NWWS end user Complete development of NWWS Open Interface in NIDS Conduct and complete Operational Test and Evaluation (OT&E) for WRIP-2 NWWS Complete deployment of ground terminals Complete Assessment and Authorization (A&A) of AWIPS subsystems for NWWS Begin deploying ground terminal to State emergency managers (1 per state). Provide specifications to other customers Implement the Nlets interface in the TOC and the OI in NIDS Provide 3 months concurrent operations with the contractor NWWS prior to ending the contract with CSC (by September 30, 2013).

5. Provide the date of the Charter establishing the required Integrated Program Team (IPT) for this investment. An IPT must always include, but is not limited to: a qualified fully-dedicated IT program manager, a contract specialist, an information technology specialist, a security specialist and a business process owner before OMB will approve this program investment budget. IT Program Manager, Business Process Owner and Contract Specialist must be Government Employees.

2008-04-30

Section C: Summary of Funding (Budget Authority for Capital Assets)

1.

Table I.C.1 Summary of Funding

	PY-1 & Prior	PY 2011	CY 2012	BY 2013
Planning Costs:	\$3.4	\$0.3	\$0.0	\$0.0
DME (Excluding Planning) Costs:	\$10.6	\$1.3	\$4.0	\$0.0
DME (Including Planning) Govt. FTEs:	\$2.1	\$1.0	\$0.7	\$0.0
Sub-Total DME (Including Govt. FTE):	\$16.1	\$2.6	\$4.7	0
O & M Costs:	\$0.0	\$0.0	\$0.0	\$0.0
O & M Govt. FTEs:	\$0.0	\$0.0	\$0.0	\$0.0
Sub-Total O & M Costs (Including Govt. FTE):	0	0	0	0
Total Cost (Including Govt. FTE):	\$16.1	\$2.6	\$4.7	0
Total Govt. FTE costs:	\$2.1	\$1.0	\$0.7	0
# of FTE rep by costs:	10	7	5	0
Total change from prior year final President's Budget (\$)		\$2.6	\$4.7	
Total change from prior year final President's Budget (%)		0.00%	0.00%	

2. If the funding levels have changed from the FY 2012 President's Budget request for PY or CY, briefly explain those changes:

There is a change from the FY12 President's Budget request. This change reflects delayed deployment of WRIP. In FY12, only \$1.594M of the \$5.594M of Complete & Sustain NWR funding will be used to support NWR O&M versus the entire \$5.594M. The balance of \$4M will be included in the WRIP Ex300 to support WRIP-2. In addition NWS will provide another \$2.94M, providing a Grand Total of \$6.94M in FY12.

Section D: Acquisition/Contract Strategy (All Capital Assets)

Table I.D.1 Contracts and Acquisition Strategy

Contract Type	EVM Required	Contracting Agency ID	Procurement Instrument Identifier (PIID)	Indefinite Delivery Vehicle (IDV) Reference ID	IDV Agency ID	Solicitation ID	Ultimate Contract Value (\$M)	Type	PBSA ?	Effective Date	Actual or Expected End Date
Awarded	1330	DOCDG133W 09CN0218									

2. If earned value is not required or will not be a contract requirement for any of the contracts or task orders above, explain why:

1) The contract is a Firm Fixed Price Contract. Earned value is not required. The cost risk lies on the contractor 2) Does not meet \$25M threshold requirement.

Exhibit 300B: Performance Measurement Report

Section A: General Information

Date of Last Change to Activities: 2012-04-26

Section B: Project Execution Data

Table II.B.1 Projects

Project ID	Project Name	Project Description	Project Start Date	Project Completion Date	Project Lifecycle Cost (\$M)
3124D07001	Weather Radio Improvement Project 2 (WRIP-2) Initial Operational Capability	WRIP-2 will sustain the NOAA Weather Radio's (NWR's) mission and replace the obsolete NWR/Console Replacement System (CRS). WRIP-2 provides the NWR/CRS functionality in AWIPS-II. WRIP-2 also sustains the NOAA Weather Wire Service by using AWIPS-II, AWIPS Satellite Broadcast Network. NWS developing NWWS satellite end user interface, National Law Enforcement System interface, and Open Interface.			

Activity Summary

Roll-up of Information Provided in Lowest Level Child Activities

Project ID	Name	Total Cost of Project Activities (\$M)	End Point Schedule Variance (in days)	End Point Schedule Variance (%)	Cost Variance (\$M)	Cost Variance (%)	Total Planned Cost (\$M)	Count of Activities
3124D07001	Weather Radio Improvement Project 2 (WRIP-2) Initial Operational Capability							

Key Deliverables								
Project Name	Activity Name	Description	Planned Completion Date	Projected Completion Date	Actual Completion Date	Duration (in days)	Schedule Variance (in days)	Schedule Variance (%)
3124D07001	Deploy Operational Test and Evaluation (OT&E) CLIN 0003 & (DQM) CLIN 0019	Deploy Master Processing Center (MPC)and Backup MPC. Deploy (6) WFO systems for OT&E.	2012-03-31	2012-06-28		201	-153	-76.12%

Section C: Operational Data

Table II.C.1 Performance Metrics								
Metric Description	Unit of Measure	FEA Performance Measurement Category Mapping	Measurement Condition	Baseline	Target for PY	Actual for PY	Target for CY	Reporting Frequency

NONE